



PATENT APPLICATION

Docket No. 11757/40

#14  
88  
7/10/02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT : Niwa SATORU

SERIAL NO. : 09/495,447

FILED : January 31, 2000

FOR : BRAKING SYSTEM HAVING SWITCHING DEVICE FOR  
SUPPLYING ENERGY TO ELECTRICALLY CONTROLLED  
BRAKE THROUGH BRAKE CONTROLLER UPON  
OPERATION OF BRAKE OPERATING MEMBER

GROUP ART UNIT : 3613

EXAMINER : M. BURCH

**SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT**

Director of the U.S. Patent and Trademark Office  
Washington, D.C. 20231

Sir:

Pursuant to 37 CFR § 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom. The paragraphs marked below are applicable.

- ☐ 1. This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date or the date of filing a CPA, OR (b) before the mailing date of a first Office Action on the merits in the present application. No certification or fee is required.
- ☐ 2. This Information Disclosure Statement is being filed with a Request for Continued Examination (RCE). No certification or fee is required.
- ☒ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.

☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office

in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).

☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).

☒ c. Please debit Deposit Account No. 11-0600 in the amount of \$180.00 in payment of the fee under 37 CFR §1.17(p) to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.

☐ 4. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Please debit Deposit Account No. 11-0600 in the amount of \$130.00 in payment of the petition fee under 37 CFR §1.17(i)(1) to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.


☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(1).

☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 CFR §1.97(e)(2).

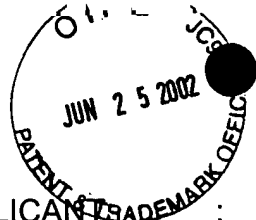
Respectfully submitted,

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#### **CONCISE EXPLANATION OF RELEVANCE OF INFORMATION NOT IN THE ENGLISH LANGUAGE**

JP-A-H6-127317 (publication of unexamined Japanese Patent Application laid open in 1994) discloses a braking system including an electric power source device (2), a brake operating member (16), a master cylinder (17), an accumulator (18), wheel brake cylinders (19), an electric motor (M), and a pump (P) which is to be activated by the electric motor (M) for supplying a working fluid to the accumulator (18). The braking system further includes a switching device (4, 6) disposed between the electric power source device (2) and the electric motor (M). The switching device (4, 6) includes an ignition switch (4) and a switch (6) which is connected in parallel with the ignition switch (4) and which can be turned on and off in response to an operation of the brake operating member (16).

JP-A-H10-217936 (publication of unexamined Japanese Patent Application laid open in 1998) discloses a braking system in which electrically-operated fluid-pressure controlling valves (34a, 34d) and electrically-operated switching valves (35a, 35d) are connected in parallel to an electric power source device (37) through an electrical-power-source supplying valve (38), while electrically-operated fluid-pressure controlling valves (34b, 34c) and electrically-operated switching valves (35b, 35c) are connected in parallel to the electric power source device (37) through an electrical-power-source supplying valve (39). Another electric power source device (43) is provided to be connected to the electrical-power-source supplying valves (38, 39), so as to energize or de-energize coils (38A, 39A) of the electrical-power-source supplying valves (38, 39). When a failure of one of the electrically-operated fluid-pressure controlling valves (34a, 34d) is detected by abnormality detecting means (50), for example, the corresponding electrical-power-source supplying valve (38) is placed in its closed

state for placing the valves (34a, 34d, 35a, 35d) in their de-energized states, so that a master cylinder (12) is communicated with wheel brake cylinders (28a, 28d) via the valves (35a, 35d).

